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SAFRONOV, L.T.

Certain concepts in the field of interpretation. Trudy Lab. aeromet. 7:155-160 '59. (MIRA 13:1)

1. Krasnoznamennaya voyenno-vozdushnaya akademiya Voyenno-vozdushnykh sil sovetskoy armii (VVS SA).
(Photographic interpretation)

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SAFRONOV, L.T., inzhener-polkovnik

Nomogram for computations in aerial photography. Vest.Vozd. Fl. no.4:84-86 Ap '60. (MIRA 13:8)
(Photography, Aerial)

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SAFRONOV, M., tovaroved

Let's improve the qualifications of commodity experts. Sov. torg. 35 no.9:51 S '62. (MIRA 16:2)

1. Kuybyshevskiy universal'nyy magazin.
(Distributive education)

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SAFRONOV, M. G.

K izucheniyu fauny parasiticheskikh chervey loshadey yakutskoy ASSR, "Works on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat, Akad. Nauk, SSSR, 1953, page 636
Helminthology Lab., Yakutsk MIVOS

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USSR / Zooparasitology. Parasitic Worms. G-3

Abs Jour: Ref Zhur-Biol., No 20, 1958, 91065

Author : Safronov, M. G.
Inst : Yakutsk Scientific Research Veterinary Station
Title : The Helminthofauna of Farm Animals in the Yakut ASSR.

Orig Pub: Sb. tr. Yakutskaya n.i. vet. st., 1958, vyp. 1, 78-83

Abstract: During 1951/54 one subjected to helminthological investigation:
1) 5 carcasses, 24 units of digestive organs and 32,158 individual organs of cattle;
2) one horse and 712 various organs from 337 horses;
3) 5 carcasses and 10 units of digestive organs of northern deers;

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USSR / Zooparasitology. Parasitic Worms. G-3

Abs Jour: Ref Zhur-Biol., No 20, 1958, 91065

Abstract: (8 species). 14 species of helminths were recorded in deers: 9 species of nematodes and 5 species of cestoides. The most widespread were specimens of the genus Ostertagia, skrjabinema and Avitellina. Echinococci were found in 4 deers: (in 2 cases in the lungs and 2 cases in the liver). 14 species of helminths were recorded in sheep: 12 species of nematodes and 2 species of cestoides. Trichostrongylus colubriformis and Haemonchus contortus were very widespread. Echinococcosis was found in one sheep. A considerable change in the helminthofauna of sheep was noticed after their acclimatization in Yakutia (sheep were first introduced in 1938 from

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USSR G
ORY : Zooparasitology - Parasitic Worms

ABS. JOUR. : RZBiol., No.19 1958, No. 86317

AUTHOR : Safronov, L.G.
INST. : Yakutsk Scientific Research Veterinary Station
TITLE : The Role of Dogs in the Spreading of Echinococcoses and Cysticercoses among Agricultural Animals and the Populace in the Yakutsk ASSR
ORIG. PUB. : Sb. Tr. Yakutskaya N.-I. Vet. St., 1958, No.1, 117-120
ABSTRACT : In Yakutsk, dogs serve as almost the sole source of infection of agricultural animals and persons with echinococcoses and of northern deer with cysticercoses.

CARD: 1/1

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, M.G., kand.veterinarnykh nauk

Yakut Veterinary Research Station. Trudy VIEV 23:406 '59. (MIRA 13:10)

(Yakutia--Veterinary research)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, M.G., kand. veter. nauk

Epizootiology of alveococcosis and echinococcosis in the Yakut A.S.S.R. Veterinariia 40 no.4:48-49 Ap '63. (MIRA 17:1)

1. Yakutskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

PRIKHOD'KO, Aleksandr Nikolayevich; SAFRONOV, Mikhail Nikolayevich; VORONKOV, I.M., redaktor; ZHARKOV, D.V., redaktor; GAVRILOV, S.S., tekhnicheskiy redaktor

[A course in theoretical mechanics for technical schools] Kurs teoreticheskoi mekhaniki dlia tekhnikumov. Pod red. I.M.Voronkova i D.V.Zharkova. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 116 p. (MLRA 9:11)

(Mechanics)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, M.N.

Theory of resonance screens. Nauch.trudy MGI no.29:87-109 '59.
(MIRA 14:4)

(Screens (Mining))

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.

Some results of the work of the plastics industry enterprises under the conditions of the new wage schedule. Biul. nauch. inform.: trud i zar. plata 4 no.9:47-52 '61. (MIRA 15:1)
(Wages--Plastics industry)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.

International ties of Bashkir oil workers. Neftianik 6 no.11:26-27 N '61. (MIRA 14:12)

1. Zaveduyushchiy kul'turno-massovym otdelom Bashkirskogo oblastnogo komiteta profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti.
(Bashkiria--Trade unions--International cooperation)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.I.

[Principles of geochemical prospecting methods for ore deposits; methodological handbook] Osnovy geokhimicheskikh metodov poiskov rudnykh mestorozhdenii; metodicheskoe posobie. Leningrad. Pt.2. [Dispersed state of elements and its applied importance; haloes of the primary dispersion of ore deposits] Rasseiannoe sostoianie elementov i ego prikladnoe znachenie; oreoly pervichnogo rasseianiia rudnykh mestorozhdenii. 1963. 82 p. (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metodiki i tekhniki razvedki.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

LIS, S.F., slesar'; SAFRONOV, N.I.; YAKOVCHUK, V.V.; POLISHCHUK, V.A., brigadir; VYSOTIN, V.Ye.

Innovations. Transp. stroi. 15 no.3:51 Mr '65. (MIRA 18:11)

1. Instruktor Novosibirskoy normativno-issledovatel'skoy stantsii (for Safronov). 2. Trest Novorossiyskmorstroy (for Yakovchuk, Polishchuk). 3. Solginskiy domostroitel'nyy kombinat tresta Transstroypromkonstruktsiya (for Vysotin).

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.

Safronov, N. "Results of Geophysical Work in the Mining Region of Altai." Razvedka Nedr, Moscow, No. 9, 1933, p. 41.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.F., inzh.; KRIVOROTOV, A.S.

Polymer cement concrete floors in construction and in the course of their use. Prom. stroi. 43 no.9:6-9 '65. (MIRA 18:9)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SHTRAKOV, I.F.

KRASNIKOV, V.I., glavnyy red.; BRODSKIY, A.A., red.; PEREL'MAN, A.I., red.; SAUKOV, A.A., red.; SAFRONOV, N.I., red.; SERGEYEV, Ye.A., red.; KHITAROV, N.I., red.; SHARKOV, Yu.V., red. SHCHERBINA, V.V., red.; GUROVA, O.A., tekhn.red.

[Geokhimicheskie poiski rudnykh mestorozhdenii v SSSR; trudy soveshchaniia. Pod red. V.I.Krasnkova. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1957. 466 p. (MIRA 11:3)

1. Vsesoyuznoye soveshchaniye po geokhimicheskim metodam poiskov rudnykh mestorozhdeniy. 1st, Moscow, 1956.
(Geochemical prospecting)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.I.

PHASE I BOOK EXPLOITATION 1169

Vsesoyuznyy nauchno-issledovatel'skiy institut metodiki i tekhniki razvedki

Novoye v metodike i tekhnike geologorazvedochnykh rabot (New Developments in the Methods and Techniques of Geological Exploration) Leningrad, Gostoptekhizdat, 1958. 423 p. (Series: Its: Sbornik trudov I) 2,000 copies printed.

Additional Sponsoring Agency: USSR Ministerstvo geologii i okhrany nedr.

Eds.: Volosyuk, G.K., Maramzin, A.V., Safronov, N.I., Semenov, A.S.; Executive Ed.: Ragina, G.M.; Tech. Ed.: Yashchurzhinskaya, A.B.

PURPOSE: The book is intended for professional geologists and geophysicists.

COVERAGE: This collection of articles reviews geological and geochemical methods of exploration used in the Soviet Union, and the recent achievements in the search of polymetallic deposits in Zabaykal'ye, Rudnyy Altay, and in the Soviet Far Northeast. The first group of articles describes discoveries of mineral deposits and the development of new industrial complexes in the USSR during the last 25 years, the latter based on the discovery of iron ore deposits, coal fields and new oil fields (like the Second Baku, situated between the Urals and the Volga)

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New Developments (Cont.)

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Polikarpochkin, V.V., Kas'yanova, I.V., Utgof, A.A., Cherbyanova, L.F. Geochemical Exploration for Polymetallic Ore Deposits in the Waters and Silts of East Zabaykal'ye Water Systems 46

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Gel'chinskiy, B.Ya., Oserov, D.K. Methodology of Computing Displacement Fields of Refracted and Reflected Waves 277

Andreyev, N.S., Andreyeva, K.S. Experimental Seismic Surveys of Bauxite Deposits 308

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SAFRONOV, N.I.; SERGEYEV, Ye.A.

Geochemical methods of prospecting for ore deposits and possibilities of developing them. Trudy VITR no.1:22-39 '58.
(MIRA 12:1)
(Geochemical prospecting)

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SAFRONOV, N.I.; POLIKARPOCHKIN, V.V.; UTGOF, A.A.

Spectral aurimetric survey as a method of prospecting for gold deposits without mechanical aureoles (placers). Trudy VITR no.1:100-108 '58. (MIRA 12:1)
(Gold ores--Spectra)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.I.; POLIKARPOCHKIN, V.V.; UTGOF, A.A.

Experimental studies of the aurimetric prospecting method in eastern Transbaikalia [with summary in English]. Sov.geol. 1 no.7:130-137 Jl '58. (MIRA 11:11)

1. Vsesoyuznyy institut metodiki i tekhniki razvedki.
(Transbaikalia--Gold ores) (Prospecting)

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SAFRONOV, N.I.

Using combined prospecting methods at standard types of nonferrous deposits [with summary in English]. Sov. geol. 1 no.8:158-169 Ag '58. (MIRA 11:11)

1. Vsesoyuznyy institut metodiki i tekhniki razvedki.
(Ore deposits) (Prospecting)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

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SAFRONOV, N. I.; POLIKARPOCHKIN, V. V.; TRUSHKOV, Yu. N.

Combined of prospecting for gold deposits. Sov. geol. 3 no.4:92-110 Ap '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metodiki i tekhniki razvedki.
(Gold ores) (Prospecting)

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SAFRONOV, N.I.

Prospecting classification of nonferrous and rare-metal deposits. (MIRA 14:9)
Trudy VITR no.4:15-38 '61.
(Metals, rare and minor--Classification) (Prospecting)

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SAFRONOV, N.I.

Theory of primary dispersion halos. Trudy VITR no.5:133-155 '62. (MIRA 15:9)
(Ore deposits)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

OVCHINNIKOV, Yu.M.; SAFRONOV, N.I. (Sterlitamak)

Case of encephalomyelitis following vaccination against rabies. (MIRA 16:7)
Fel'd. i akush. 27 No.12:30-31 D'62.
(ENCEPHALOMYELITIS) (BABIES--PREVENTIVE INOCULATION)

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SAFRONOV, N.N.; MATSYUK, L.R.; KOLOBKOV, Yu.M.

The MSP-1, MSP-2 and MSP-4 machines for welding film thermoplastics. Biul.tekh.-ekon.inform. no.11:9-11 '60. (MIRA 13:11)
(Thermoplastics--Welding)

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ACC NR: AP6032495 SOURCE CODE: UR/0413/66/000/017/0048/0048
WW/EW/EM

INVENTOR: Rubin, Sh. G.; Safronov, N. N.

35
B

ORG: none

14

TITLE: Gas-arc welder. Class 21, No. 185421

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 48

TOPIC TAGS: welding equipment, nonconsumable electrode welding, gas arc welding, gas arc welder

ABSTRACT: An Author Certificate has been issued describing a gas-arc welding unit with a consumable electrode for internal and external welds primarily of thin-walled shells. The welder includes a rotating device with a headstock and spindle, a welding torch, and a release mechanism with hoses for supplying shielding gas and oil. To ensure the supply of shielding gas, directly under the welding spot, the welder is equipped with a pendulum mechanism made in the shape of a central shaft carrying feed and distributor blocks together with a clamp flange, and a pressure spring. A swinging load is fastened to the axis.

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ACC NR: AP6032495

To prevent hose twisting, a combined collector is mounted by a bracket on the headstock. The collector is of the shape of a stationary ring with inlet pipes for connecting hoses. The ring is fastened to the headstock and rigidly coupled with the hollow spindle of the headstock of the internal shaft. The latter is provided with ring shaped grooves located under the feed holes linked with channels drilled inside the shaft. [Translation]

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SOV/136-59-10-11/18

AUTHORS: Kim, K.T., Kornakov, D.Ye. and Safronov, N.V.

TITLE: A Method of Extruding Tubes with a Small Inside Diameter

PERIODICAL: Tsvetnyye metally, 1959, Nr 10, pp 65-68 (USSR)

ABSTRACT: Until recently, tube stock has been extruded at the Artemovskiy Plant by the standard method, using a 600 t hydraulic press and centrally bored shells made of cut lengths of rod extruded on horizontal presses. The shells have been bored on specially set lathes; this, in addition to increased production costs, increased the proportion of produced scrap metal. These shortcomings of the production technique have been eliminated by the staff of the Artemovskiy Plant, where a new method of manufacturing tube stock has been developed and put into practice. The advantage of this method (which consists in using horizontal hydraulic presses for extruding not solid rod but hollow shells) is that it does not necessitate any modifications in the existing equipment and can be employed on any horizontal press equipped with piercing attachment. Extrusion of the hollow shells is carried out with the aid of a specially designed mandrel, shown in Fig 1. The normal practice in tube extrusion is

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A Method of Extruding Tubes with a Small Inside Diameter

to use a cylindrical mandrel, the diameter of which is equal to the inside diameter of the extruded tube. Consequently, it is difficult to extrude tubes with the inside diameter less than 22 mm, because during the piercing operation a small diameter mandrel is easily shifted from its original central position, as a result of which a tube of non-uniform wall thickness is produced. The mandrel designed by the present authors consists of two parts: shaft and tip. The diameter of the shaft is considerably larger than (50 to 60 mm) the inside diameter of the extruded product; this is to ensure rigidity of the tool during the piercing operation. The tip of the mandrel is shaped like a bottle neck; it tapers towards the end of the mandrel and ends with a cylindrical portion 15 to 20 mm long, the diameter of which is equal to the inside diameter of the extruded tube; this cylindrical portion is located during extrusion in the centre of the extrusion die, with which it forms the annular space through which the metal is forced out. The extrusion process is illustrated diagrammatically in Fig 2, showing: 1 - container; 2 - die holder; 3 - die;

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

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S/137-59-1-11/18

A Method of Extruding Tubes with a Small Inside Diameter

4 - mandrel; 5 - extruded tube steel; 6 - billet; 7 - dummy block; 8 - main ram; 9 - mandrel holder. The mandrel can be made either in one piece or with a detachable tip. For extruding tubes with the internal diameter larger than 15 mm, it is recommended to use a one-piece mandrel made of steel ZKh2V8; for extruding tubes with the internal diameter smaller than 15 mm, it is better to use a mandrel with a detachable tip, with the shaft made of steel ZKh2V8 and the tip of a more heat-resistant material. The construction of the two-piece mandrel is shown in Fig 3 (a - shaft, b - tip). Setting of the press is illustrated in Fig 4, showing 1 - die; 2 - mandrel; 3 - mandrel positioning nuts; 4 - main ram cross-head; 5 - piercing cross-head pillars. The usual sequence of operations is employed in extrusion. In order to evaluate the new technique of extruding tube stock for the 600 t press, a series of tests was carried out in which two batches of hollow brass shells (2108 kg) were made by the old process and three (5475 kg) by the new method. When the old method was employed, rods of 97.5 mm diameter were extruded from 250 x 650 mm billets

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

A Method of Extruding Tubes with a Small Inside Diameter

on a 2500 t hydraulic press; these were cut into 100 mm long pieces through which holes 22 mm diameter were bored. (The length of the bar stock was limited to 100 mm to avoid boring from two ends.) After boring, the inner surface of the tube stock was very rough and the wall thickness varied by as much as 1 to 2 mm. When the new method was tested, the tube stock was extruded, with the aid of the newly designed mandrel, from 250 x 650 mm billets on a 2500 t press at 750 to 780°C; the inside surface of the extruded stock was smooth, the variation of its wall thickness being 1 to 2 mm in the first extruded portion and not more than 0.6 mm in the end part. Data collected during these tests and reproduced in Tables 1 and 2, show that the proportion of scrap, amounting to approximately 29% in the old process, was reduced to about 17% when the new method was employed. No difficulties have been experienced in applying the new method on the industrial scale, the new mandrel having proved to be as durable as that used in the normal extrusion. Thus, in the period 20th February to

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

A Method of Extruding Tubes with a Small Inside Diameter

20th April 1959, during which 202 t of tube stock (97.5 x 22 mm) was extruded by the new technique from billets measuring 250 x 650 mm, only five mandrels were expended. The method can be used for extruding profile tubes (rectangular, square etc) with the inside diameter of 6 to 8 mm. Acknowledgments are made to Yu.I.Ignat'yev and D.T.Karpachev, who participated in this work. There are 5 figures and 2 tables.

ASSOCIATION: Artemovskiy zavod „Tsvetmet„ (Artemovskiy Plant "Tsvetmet"

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

S/094/61/000/005/001/001
E194/E284

AUTHORS: Kima, K. T. and Safronov, N. V.

TITLE: The Production of Small Section Copper Tubes by a Winding Method

PERIODICAL: Promyshlennaya energetika, 1961, No. 5, p. 15

TEXT: This brief note describes a suggestion that received a prize in the 16th All-Union Competition on power economy. Copper tubes up to 12 mm diameter are usually made by pressing from a suitable blank followed by drawing on chain type drawing machines. With this method the rate of drawing is slow, there is considerable wastage and power consumption is high. The authors proposed a winding method of making tubes in which the first pressing is done on a horizontal instead of a vertical press end the tube is drawn and wound on drums. In this way a tube of up to 70 metres length can be made and wound in a coil from which tubes of the standard length of 5-6 metres are then cut. The tube production line contains a chain type draw bench up to 23 metres long, 2 winding drums and a machine for straightening and cutting the tubes after they have been coiled. The tube is cut into lengths automatically by means of a suitable limit switch. With the new method of

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S/094/61/000/005/001/001
E194/E284

The Production of Small Section Copper Tubes by a Winding Method

production the output of acceptable product is increased by 14.5% and the labour required is reduced by more than 35%. The old and new methods are compared in the following table:

Method of manufacture	Number of operations	Acceptable product output %	Production Time per ton		Production cost for 1 ton in roubles
			Machine hours	Total time hours	
Previous method ...	30	52.85	112.15	126.39	59.7
Coiling method ...	23	67.29	73.79	83.89	41.94

There is 1 table.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, N.Ya.; BERESTNEVA, Z.Ya.; KARGIN, V.A.

Thermal decomposition of benzene and heptane on an incandesced molybdenum wire. Koll. zhur. 25 no.4:468-471 Jl-Ag '63. (MIRA 17:2)

1. Fiziko-khimicheskiy institut imeni Karpova i Nauchno-issledovatel'skiy institut shinnoy promyshlennosti, Moskva.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

KARGIN, V.A.; SAFRONOV, N.Ya.; BERESTNEVA, Z.Ya.

Thermal decomposition of benzene over a heated molybdenum wire studied with the aid of rapid cinematography. Koll.zhur. 26 no.2:198-199 Mr-Ap '64. (MIRA 17:4)

1. Fiziko-khimicheskiy institut imeni Karpova i Nauchno-issledovatel'skiy institut shinnoy promyshlennosti, Moskva.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

L 09905-66 EWT(m)/EPF(c)/EWP(j) RM

ACCESSION NR: AP5016635 UR/0138/65/000/006/0019/0024
678.046.2.002.2.001.4

AUTHORS: Zuyev, V. P.; Gilyazetdinov, L. P.; Gyul'misaryan, T. G.; Safronov, N. Ya.; Vernshteyn, I. D.; Glagolev, V. I.; Tsygankova, E. I.; Sokolova, V. V.; Bystrov, K. M.; Khokhlov, B. P.

TITLE: Some peculiarities of the production of carbon black PM 70 in cyclone-type reactors by using thermocatalytic gas oil

SOURCE: Kauchuk i rezina, no. 6, 1965, 19-24

TOPIC TAGS: gas oil fraction, carbon black, catalytic cracking / PM 70 carbon black

ABSTRACT: The production of active carbon black PM-70 from a 1:1 mixture of thermocatalytic gas oil and green oil was investigated to correct certain technological parameters and to determine the behavior of carbon black during its recovery and processing. The tabulated physico-chemical properties of green oil, and their mixture show that the thermocatalytic gas oil is distinguished by a high polycyclic aromatic hydrocarbon content. The analysis of several gas oil fractions showed that its kinematic viscosity at 50C varies over a range of

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L 00905-66

ACCESSION NR: AP5016635

9.5-11.8 x 10^{-2} m^2/sec. The viscosity of the 1:1 mixture varies from 3.6 to 3.9 x 10^{-2} m^2/sec. The kinematic viscosity plotted against heating temperature shows that the green oil and gas oil have the same viscosity only at a temperature of 280-300C. The viscosity value of 1.05 x 10^{-2} m^2/sec is reached for green oil only at 100C, and for gas oil and green oil mixture at 140C. Pure gas oil has this viscosity at 185C. The high viscosity, high boiling point, and the wide fractional composition of the gas oil make it necessary to preheat it by 80-100C higher than the green oil at minimum 160C before its introduction into the reactors. The average diameter of the droplet of raw material is plotted against the vaporizing air flow rate and the temperature before the atomizer. With an increase in the air flow rate from 0.45 to 1.0 m^3/kg, the diameter of the droplet decreased 2.0-2.2 times. During the experiments the gas oil content in the mixture, the heating temperature, and the specific flow rate of vaporizing air were varied. The other technological parameters were almost constant (total specific air flow rate of 4.8-5.1 m^3/kg, gas flow rate of 0.25-0.28 m^3/kg of raw material, reactor temperature of 1395-1400C). Tabulated data show that by increasing the air flow rate and temperature the specific surface and the oil content of carbon black were increased, while the optical density of the benzene extract of carbon black decreased. The technological data and properties of carbon black PM-70

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L00905-66

ACCESSION NR: AP5016635

are tabulated and discussed. It was established that the carbon black yield is almost the same as that obtained from pure green oil. The thermophysical properties of the gaseous reaction products of carbon black formation are compared. Vulcanizates obtained with PM-70 carbon black have a higher tear strength due to the larger specific surface and oil content. Experimental data show that a carbon black plant equipped with cyclone-type reactors and a dry system of carbon black recovery can be altered to use a mixture of gas oil and green oil. An increase in the vaporizing air flow rate leads to an increased dispersal and oil content of PM-70 carbon black and to the decrease in coking of reactors. It is recommended to increase the air flow rate to 1.0 m^3/kg oil. The addition of gas oil to green oil results in the stabilization of the granulation operation on the ASA 1 drums. Orig. art. has: 4 figures and 3 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Scientific Research Institute for the Tire Industry); Novo-Yaroslavskiy sazhevyy zavod (Novo-Yaroslavl Carbon Black Plant)

SUBMITTED: 00 ENCL: 00 SUB CODE: FP, GC

NO REF SOV: 005 OTHER: 001

Card 3/3 DP

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, O.

Leading workers of collective farm fields. Tekh.mol. 22 no.5:9 My '54. (MLRA 7:6)

1. Zamestitel' zaveduyushchego otdelom po rabote sredi sel'skoy molodeshi TsK LKSM Ukrainy. (Agricultural laborers)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, P., inzh.-polkovnik

Airplanes of the NATO countries and their armament. Av.i kosm. 45 no.3:91-95 Mr '63. (MIRA 16:3)
(Airplanes, Military--Armament)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, P., dotsent; ZAKABUNINA, M., kand.med.nauk

Armed with war gas. Voen.-znan. 41 no.12:36 D '65.
(MIRA 18:12)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, P., dotsent; ZAKABUNINA, M., kand. med. nauk

Radiation sickness, its manifestation and treatment. Voen. znan. 41 no.2:30-31 F '65. (MIRA 18:3)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, P.A.

Fishing

Catching sprats with a lamp. Ryb. khoz. 28, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, AUGUST 1952 1953. Unclassified.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAVRONOV, P.I.

Konstantin Borin, candidate of agricultural sciences. Izobr. v SSSR 2 no.1:31-32 Ja '57. (MLRA 10:4)

(Borin, Konstantin Aleksandrovich)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

BAYKOV, T.P.; VEKSLER, A.A.; GORCHINSKIY, S.A.; LARIONOV, A.G.; PLATONOV, A.V.; CHUMAYEVSKIY, A.V.; SAFRONOV, P.M., inzhener, redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Agricultural machinery and spare parts for it; a reference manual] Sel'skokhoziaistvennye mashiny i zapasnye chasti k nim; spravochnik. Izd. 3-e, ispr. i dop. Pod red. P.M.Safronova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.1. [Machines for tilling, sowing and planting, mechanization of livestock farms, for the protection of plants from pests and primary processing of industrial crops] Mashiny dlia obrabotki pochvy, poseva i posadki, mekhanizatsii zhivotnovodstva, dlia zashchity rastenii ot vreditelei i pervichnoi obrabotki tekhnicheskikh kul'tur. 1956. 706 p. (MLRA 9:11)
(Agricultural machinery)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, P. M.

BAYKOV, Timofey Petrovich; VEKSLER, Abram Aronovich; GORCHINSKIY, Sergey Antonovich; LARIONOV, Aleksandr Grigor'yevich; PLATONOV, Anatoliy Vasil'yevich; CHUMAYEVSKIY, Aleksey Vasil'yevich; SAFRONOV, P.M., inzh., red.; AVSHAROVA, Ye.G., red. izd-va; UVAROVA, A.F., tekhn. red.

[Agricultural machines and spare parts for them; handbook] Sel'skokhoziaistvennye mashiny i zapasnye chasti k nim; spravochnik. Izd. 3., ispr. i dop. Pod red. P.M. Safronova. Moskva, Gos. nauchno-tekh. izd-vo mashinostroit. lit-ry. Vol.2 [Harvesting machines for grains, grasses and industrial crops] Mashiny dlia uborki zernovykh, tekhnicheskikh kul'tur i trav. 1958. 723 p.
(Harvesting machinery) (MIRA 11:10)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

LUCHKIN, Andrey Ivanovich; SAFRONOV, Petr Vasil'yevich; IVANOVSKAYA, K.M., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Laboratory manual on road building materials] Laboratornyi praktikum po dorozhno-stroitel'nym materialam. Izd.2., perer. i dop. Moskva, Avtotransizdat, 1963. 134 p. (MIRA 16:9)
(Road materials)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, S. (Reviewer)

"Transactions of the first conference on problems of cosmogony, held April 16-19, 1951." Reviewed by S.Safronov. Vop.kosm.1:269 '52. (MLRA 7:2)

(Solar system)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

1. SAFRONOV, S.
2. USSR (600)
4. Horses - Feeding and feeding stuffs
7. How to sprout grain for feeding pregnant mares, Konevodstvo 23 No. 2, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

S...KOV, ...

...on the pl... Vrosl. torg. 41 no. 3:27-32
(MIRA 14:3)
1958.

(Trade in Kursk)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

TSVETKOV, V., laureat Leninskoy premii; SAFRONOV, S., inzh.

Silicate concrete in rural construction. Sel'. stroi. no.7: 5-6 '62. (MIRA 15:8)
(Sand-lime products)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

PUCHIK, K.F.; FIMUSHKIN, V.N.; SOKOLOV, P.V.; SAFRONOV, S.I., Geroy Sovetskogo Soyuza; NOVIKOV, N.I.; FOMIN, S.Ye., tekhnik samoleta

We're proud of your achievement, IUrii! Kryl.rod. 12 no.5:2-3 My '61. (MIRA 14:7)

1. Nachal'nik Saratovskogo aerokluba (for Puchik). 2. Zamestitel' nachal'nika po politicheskoy chasti Saratovskogo aerokluba (for Fimushkin).
(Gagrin, IUrii Alekseevich, 1934-)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, S.N.

Automatic light-signal lamp. Geod. i kart. no.5:15-18 My '57.
(Triangulation) (Electric lamps) (MLRA 10:8)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

MUROMTSEV, V.I.; PISKUNOV, A.K.; SAFRONOV, S.N.

Using the method of the integration of a signal derivative in recording electronic absorption lines. Prib.i tekh.eksp. 6 no.5:112-114 S-O '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut.
(Electronic analog computers)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

BAYER, V.G.; MASINO, M.A.; MASLOV, N.N.; POPOVICHENKO, G.D.; SOBOLEV, N.N.; KALOSHIN, A.I., inzh., retsenzent; SAFRONOV, S.P., inzh., retsenzent; NAUMOV, V.I., kand. tekhn. nauk, red.; YURKEVICH, M.P., inzh., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Mechanic for repairing motor vehicles and tractors] Slesar' po remontu avtomobilei i traktorov. [By] B.G. Baer i dr. Moskva, Mashgiz, 1963. 318 p. (MIRA 16:10)
(Motor vehicles--Maintenance and repair)
(Tractors--Maintenance and repair)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

124-58-9-10143

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 105 (USSR)

AUTHORS: Safronov, S. V., Allakhverdiyeva, R. A.

TITLE: Experimental Investigations of the Concurrent Inflow of Oil and Water Toward Shallow Wells (Eksperimental'nyye issledovaniya sovmestnogo pritoka nefti i vody k nesovershennym skvazhinam)

PERIODICAL: Tr. Vses. neftegaz. n.-i. in-t, 1957, Nr 10, pp 131-140

ABSTRACT: An analysis of some results of field investigations at the Romashka deposit. In connection therewith experimental investigations were set up on the inflow of two nonhomogeneous liquids to an incompletely penetrating shallow well. The schematic arrangement of a parabolic-slit model is shown, and the indispensable requirements for correct analog simulation are set forth. The experimental procedure is described and its results are presented graphically. It is established that initially with an increase

$$\Delta \overline{P} = \frac{\Delta p}{h \Delta \gamma \cos \beta},$$

Card 1/2

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Experimental Investigations of the Concurrent Inflow of Oil and Water (cont.)

(where Δp is the depression, h is the height of the slit, β is the angle formed between the plane of the slit and the vertical, and $\Delta\gamma$ is the specific-gravity difference) the degree of water flooding of the well increases; here, as the watery portion along the line of influence of the model increases, the percentual share of the water grows more steeply. Subsequently, this relationship becomes less pronounced; for some values of $\Delta\bar{P}$ it virtually ceases to exist, and the curves smoothen out and approach asymptotically their theoretical limits. Thus the experiments permit a refinement of the boundary of applicability of M. M. Golovskiy's formula (Tr. Mosk. neft. in-ta, 1951, Nr 11) and confirm qualitatively the results of field investigations of wells. The authors refine the value of the quantity R_o, i.e., the radius of the base of the cone of water from their analysis of the interfaces between two liquids. According to the investigations of the authors $R_o = 2\text{-}4\ h$.

I. D. Umrikhin

1. Fluid flow--Analysis 2. Oils--Properties 3. Water --Properties 4. Air--Properties 5. Petroleum industry--USSR

Card 2/2

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, S.V.; ALLAKHVERDIYEVA, R.A.

Experimental studies of the simultaneous oil and water flow toward imperfect wells. Trudy VNII no.10:131-140 '57. (MIRA 14:6)
(Oil reservoir engineering)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, S.V.; IVANOVA, M.M.

Exploitation of water-oil zones in platform-type oil fields. Trudy VNII 12:33-52 '58. (MIRA 12:3)
(Oil reservoir engineering)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, S.V.

Shifting of the water-oil contact zone in sloping layers with peak values of vertical permeability of rocks. Trudy VNII 12:120-139 '58. (MIRA 12:3)

(Oil reservoir engineering)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

BRISKMAN, A.A.; SAFRONOV, S.V.

Determination of the minimum flowing bottom hole pressure of wells. Neft. khoz. 39 no.6:38-42 Je '61. (MIRA 14:8)
(Oil fields--Production methods)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

KOSTRYUKOV, Gennadiy Vasil'yevich; GOLIKOV, Andrey Dmitriyevich; SAFRONOV, S.V., red.; SAVINA, Z.A., ved. red.; VORONOVA, V.V., tekhn. red.

[Temperature conditions of the Romashkino oil field] Temperaturnyi rezhim Romashkinskogo mestorozhdeniia. Moskva, Gostoptekhizdat, 1962. 96 p. (MIRA 15:3)
(Romashkino region--Oil reservoir engineering)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

BUCHIN, A.N.; SAFRONOV, S.V.

Selecting the production system for water producers.
Neft. khoz. 40 no.5:26-31 My '62. (MIRA 15:9)
(Oil fields--Production methods)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, S.V.; ROZENBERG, M.D.

Using curbature formulas for determining certain mean parameters of a layer when appraising petroleum reserves and setting up flow diagrams for the development of pools. Trudy VNII no.37: 230-252 '62. (MIRA 16:6)

(Oil reservoir engineering)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SEMENOV, S.V.; ROZENBERG, M.D.

Determining certain mean parameters of a reservoir using cubature formulas. Neft.khoz. 41 no. 1:46-52 Ja '63. (MIRA 17:7)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

[redacted], S.V.; SMIRNOVA, A.A.; GUZHNOVSKIY, L.P.

Economically efficient stimulation of oil wells in a circular section of the Minibayevo region of the [redacted] field. (MIRA 17:10)
Trudy VNII no.39:76-94 '63.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, S.V.

Simultaneous inflow of petroleum and bottom water to series (lines) of producing wells. Trudy VNII no.42:131-142 '65. (MIRA 18:5)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SOV/27-58-12-12/23

AUTHOR: Safronov, V., Deputy-Chief of Administration

TITLE: In the Chukotskiy Region (Na Chukotke)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1958, Nr 12, p 17 (USSR)

ABSTRACT: The author tells of the extensive building activity that is taking place in the Chukotsk region, of the 2-year building school recently established there, and of the progress the students are making both in their studies and in cultural work.

ASSOCIATION: Khabarovskoye krayevoye upravleniye trudovykh rezervov (Khabarovsk Kray Administration of Labor Reserves)

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SOV/27-59-4-24/28

22(1)

AUTHOR: Safronov, V., Deputy Chief

TITLE: Wit and Persistence

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 4, p 32 (USSR)

ABSTRACT: Under the guidance of Mechanic Aleksandr D. Bondarev, members of the technical circle of the Remeslennoye uchilishche Nr 6 (Trade School Nr 6), Komsomol'sk-na-Amure, constructed a small, light wood-working machine tool. The tool can perform 8 different operations. There is 1 photograph.

ASSOCIATION: Khabarovskoye krayevoye upravleniye trudovykh rezervov (Khabarovsk District Administration of Labor Reserves).

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SAFRONOV, V. (gorod Volday, Novgorodskoy oblasti)

Repairing switches. Radio no.9:14 S '56. (MLRA 9:11)
(Radio--Apparatus and supplies)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

1. SAFONOV, V.

2. USSR (600)

4. Construction workers

7. Improve the training of construction crews on collective farms. Sel'. stroi. 8 no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

DUBROVIN, I., inzh.; SAFRONOV, V., inzh.

Petroleum fleet operations according to the principle of permanently attaching tows to the barges. Rech.transp. 19 no.5: 10-12 My '60. (MIRA 13:7)
(Tank vessels) (Tugboats)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V. (Rostovskaya obl.)

With united forces. Pozh.delo 8 no.8:10 Ag '62. (MIRA 15:8)
(Rostov Province--Fire prevention)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

Chem A

Optimum conditions for spray drying of pancreatin. V. Safronov. (Chem.-Technol. Inst. Meat Ind., (Moscow). *Myasnaya Ind. S.S.S.R.* 22, No. 3, 72-4(1951).—The tests indicated that optimum conditions for spray drying pancreatin exts. were: temp. of drying agent 90-95°, amt. of drying agent 5.5-6.8 cu.m./sec., spraying pressure 35 kg./sq. cm., and nozzle diam. not less than 1.2 nor greater than 1.4 mm.
M. M. Piskur

1951

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V., inzhener.

Automatic cutlet and meat dumpling machine. Mias.ind. SSSR. 25 no.5:57-58 '54. (MLRA 7:11)

1. Sochinskiy myasokombinat.
(Packing houses--Equipment and supplies)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V., inzhener.

Self-disconnecting electric pick and electric knife. Mias. ind. SSSR 25 no.6:56-57 '54. (MLRA 8:1)
(Slaughtering and slaughterhouses)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V., inzh.

Device for lowering carcasses. Mias.ind.SSSR 30 no.2:42 '59. (MIRA 13:4)

1. Vladimirskiy myasokombinat.
(Orsk--Packing houses--Equipment and supplies)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V., inzh.

Rotating oven for baking meat products. Mias.ind.SSSR 30 no.2:43 '59. (MIRA 13:3)

1. Vladimirskiy myasokombinat.
(Vladimir--Packing houses--Equipment and supplies)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

S/193/60/000/011/004/022
A004/A001

AUTHORS: Safronov, N. N., Matsyuk, L. R., Kolobkov, Yu. M.

TITLE: The МСП-1 (MSP-1), МСП-2 (MSP-2) and МСП-4 (MSP-4) Machines for the Heat-Bonding of Thermoplastic Films

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 11, pp.9-11

TEXT: In 1960 one of the Institutes developed several types of machines for the heat-bonding of large-size articles of thermoplastic films by heat-transfer agents. The MSP-1 machine is designed for the heat-bonding of large-size polyethylene films of 25 to 150 μ thickness. The machine travels along the table on two guide rails and can produce rectilinear T-shaped and lap seams. To avoid the molten polyethylene sticking to the rolls, heat-bonding is effected through a cellophane or fluorplastic-4 film. The heating temperature of the rolls can be evenly controlled in the range of 100 - 300°C and maintained constant with the aid of the automatic ЭПД-12 (EPD-12) thermoregulator. The machine design makes it possible for the bonding head to copy a table unevenness in the range of ± 50 mm. The bonding speed can be regulated from 0.5 to 10 m/min, the network voltage is 220 v, the machine is lever-and push-button-controlled, its weight is 115 kg.

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S/193/60/000/011/004/022
A004/A001

The МСП-1 (MSP-1), МСП-2 (MSP-2) and МСП-4 (MSP-4) Machines for the Heat-Bonding of Thermoplastic Films

The machine can be also used for the bonding of other polymer films, e. g. polyvinyl chloride up to 100μ thickness, "ftorlon" [translator's note: most probably the commercial brand of a fluor polymer] up to 30-40μ thickness, etc. The MSP-2 machine is also intended for the welding of polyethylene films particularly of a thickness of less than 60μ. Bonding is effected by unilateral contact of the material with a gas heat-transfer agent, which is heated up to 180 - 250°C and gets on the material through a jet comb. The exact seam width is ensured by two endless steel strips. The superiority of the MSP-2 machine is characterized by the possibility of heat-bonding the films without intermediate layer between heat-transfer agent and material being bonded. A deficiency is the lower bonding speed of the machine - up to 6m/min. The machine is stationary, i. e. the article being heat-bonded is moving. The MSP-4 machine is designed for the semi-automatic heat-bonding of fluorplastic films and can be successfully used for the bonding of fabric film materials up to 400μ thickness. The machine is a stationary installation with two bonding heads ensuring a continuous bonding process of rectilinear T-shaped and lapped seams by bilateral heating of the material. Two

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, Vadim Andreyevich; FILIPPOVA, N., redaktor; TROSHIN, M., tekhnicheskiy redaktor

[Travels into the unknown] Puteshestviia v nevedomoe. [Moskva] Izd-vo TsK VLKSM "Molodaia gvardiia," 1956. 238 p. (MLRA 9:9)
(Humbold, Alexander, 1769-1859)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

NANIKOV, B.A.; SHUL'GA, P.M.; SAFRONOV, V.A.

Applicability of methods for processing well-bottom pressure build-up curves. Nefteprom. delo no.1:9-12 '64. (MIRA 17:4)

1. Volgogradskiy nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti i Volgogradskiy politekhnicheskiy institut.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

TSAREGORODTSEV, P.P.; GARASIMOV, Ya.P., master; BORMASHENKO, R.I.; LOSKUTNIKOV, V.D., stalevar; KUZNETSOV, V.G., stalevar; SAFRONOV, V.F., stalevar; SUVOROV, K.R., stalevar

"Steelmaker's manual" by M.I. Panfilov. Reviewed by P.P. TSaregorodtsev and others. Metallurg 7 no.5:39 My '62. (MIRA 15:5)

1. Petrovsk-Zabaykal'skiy metallurgicheskiy zavod.
2. Nachal'nik martenovskogo tsekha Petrovsk-Zabaykal'skogo metallurgicheskogo zavoda (for TSaregorodtsev).
(Open-hearth process---Handbooks, manuals, etc.)
(Panfilov, M.I.)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

21332
S/078/61/006/004/001/018
B121/B216

11.2222

AUTHORS: Dymova, T. N., Sterlyadkina, Z. K., Safronov, V. G.

TITLE: A method for preparing magnesium hydride

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 4, 1961, 763-767

TEXT: The present work discusses methods for the preparation of magnesium hydride and describes optimum conditions for a rapid and efficient preparation from the elements. Electrolytic magnesium of a purity of 99.3% and electrolytic hydrogen were used as initial materials. The synthesis was carried out in a rotating autoclave at 120-150 rpm, filled to one quarter with steel balls for grinding and mixing the material. The initial hydrogen pressure was 100-200 kg/cm^2. The resulting magnesium hydride was analyzed by measuring the hydrogen volume formed by reaction of magnesium hydride with a 5% solution of chromic anhydride. The reaction sets in at 260-270°C but comes to a stop when about 75% MgH_2 has formed because the magnesium becomes incrusted with the hydride. The yield was increased to 79% by applying a pressure of 200-300 kg/cm^2, increasing

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the temperature to 400-450°C and extending the reaction time to 15 hr. A yield of 98% magnesium hydride, leaving less than 1% unreacted magnesium was obtained by using 0.7% iodine as catalyst at a reaction temperature of 380-450°C and continuous grinding of the solid phases during 5-6 hr (Table). The reaction was also carried out by using carbon tetrachloride and a copper-magnesium alloy of the composition Mg_2Cu as activators. Grinding the reagents at 420°C in the presence of 1.5% CCl_4 yielded 85% magnesium hydride after 2 hr, and 100% magnesium hydride after 6 hr. The role of the activators is discussed. It is assumed that in the case of iodine catalyst an intermediate, magnesium subiodide, forms according to the reaction $MgI_2 + Mg = 2MgI$, which then reacts with hydrogen to form magnesium hydride. With carbon tetrachloride as activator, alkyl magnesium chloride is probably formed as well as magnesium subchloride. The authors thank V. I. Mikheyeva for discussion. There are 5 figures, 1 table, and 8 references: 3 Soviet-bloc and 5 non-Soviet-bloc.

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

-1332

S/078/61/006/004/001/018
B121/B216

A method for preparing ...

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov, Academy of Sciences USSR)

SUBMITTED: November 1, 1960

Card 3/4

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A method for preparing ...

Table: Temperature dependence of the magnesium hydride yields obtained by addition of iodine. Legend: 1) Mg in g; 2) reaction conditions; 3) duration in hr; 4) consumption of H_2 in kg/cm^2; 5) percentage in the product; 6) Mg_{met}; 7) calculated H_2 consumption

Mg, г (1)	(2) Выдержка t°, С	(2) Выдержка длительность, часы (3)	Расход H_2, кг/см² (4)	Процент содержания в продукте (5) MgH_2	$Mg_{мет}$ (6)	MgO
100	200	5	25*	42,58	52,65	3,77
100	250	4,5	45	70,06	27,07	1,87
100	300	4,5	50	86,56	11,09	1,5
100	350	4,8	55	88,13	7,44	3,43
100	380	5,0	65	96,94	0,72	1,32
200	420—450	6,0	120**	97,19	0,47	2,09
200	390—400	6,0	120**	98,44	0,6	1,5

(7) Расчетный расход H_2: * 60,3 кг/см²; ** 116,3 кг/см².

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

FRAGIN, I.Ye.; SAFRONOV, V.G.

Diamond honing of holes in hardened steel parts. Stan. i inst. 35 no.7:34-36 Jl '64. (MIRA 17:10)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V.I., inzh. po tekhnicheskoy informatsii

Modification of the design of the material conveyor of the S-70-Sh-1 blending machine. Tekst.prom. 25 no.2:41-42 F '65. (MIRA 18:4)

1. Fabrika "Proletariy".

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V.I., tekhnik.

Structural defect of three-phase meters of the IT series.
Energetik 5 no.1:23-24 Ja '57. (MLRA 10:2)

(Electric meters)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

MEDVEDEV, N.F., nauchnyy sotrudnik; SAFRONOV, V.I.

Replacing sliding axle bearings by roller bearings. Elek.i tepl.tiaga 14 no.3:24 Mr '60. (MIRA 13:7)

1. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta Ministerstva putey soobshcheniya (for Medvedev). 2. Starshiy master lokomotivnogo depo Sverdlovsk-Sortirovochnyy (for Safronov).
(Electric locomotives--Equipment and supplies)

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"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8

SAFRONOV, V.I., tekhnik; ZIMEL'S, L.Sh., inzh.; KOZYULIN, A.S., inzh.; KULESHOV, Ya.T., inzh.

Discussion of F.S. Popov's article "Construction of 6 to 10 kv mast substations" and A.A. Priakhin's article "Is it proper to transfer the line cutout of a 10 kv mast substation to the end pole of an electric power transmission line?" Energetik 8 no. 10:22-24 O '60. (MIRA 14:1)

(Electric lines--Overhead) (Electric substations)
(Popov, F.S.) (Priakhin, A.A.)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001446720009-8"